los proyectos hacen los objetos eternos,
las modas los corrompen,
los imbéciles los copian y los venden a los ignorantes y a los idiotas.
nosotros hacemos proyectos y trabajamos
para ayudar a la luz a emocionarle.
los frutos de nuestras ideas y de nuestros proyectos
están protegidos con patentes,
modelos registrados y derechos de autor.

design makes objects timeless,
fashion corrupts them,
fools copy them and sell them to ignorants and idiots.
we do projects and work to help light to bring
you true emotion.
the results of our ideas and our projects
are protected by patents
and/or registered models
and/or copyright.

mario nanni

Viabizzuno progettiamo la luce

For m

Alvaline

Viabizzuno, calle principal del anejo de Bizzuno, provincia de ravenna, donde, el 21 07 1955, nací, en el n°17, entre el ayuntamiento y la parroquia. de aquí nace el nombre de la empresa establecida en el año mil novecientos noventa y cuatro representada por un espacio blanco atravesado por dos líneas, una vertical, rigurosa, limpia, equilibrada, For m, y otra inclinada, irreverente en el espacio, irónica, fuera de los esquemas, Alvaline. distintas pero complementarias, igual que las dos almas representadas por las dos colecciones Viabizzuno. y en el punto en el que se cruzan las dos líneas, el UpO, Ufficio progettazione Ombre.

Viabizzuno is the name of the main road of the small village Bizzuno located in the province of ravenna, where I was born on the 21 07 1955 at n°17, between the 'casa del popolo' and the local parish church. from here the name of the company founded in nineteen ninety-four represented by a white space intersected by two lines one vertical, well balanced, logical, clean, For m, the other dynamic, irreverent, ironic, Alvaline. separate and yet complementary, just like the two different philosophies behind Viabizzuno two collections. in the intersection between the two lines, UpO, Ufficio progettazione Ombre. mn

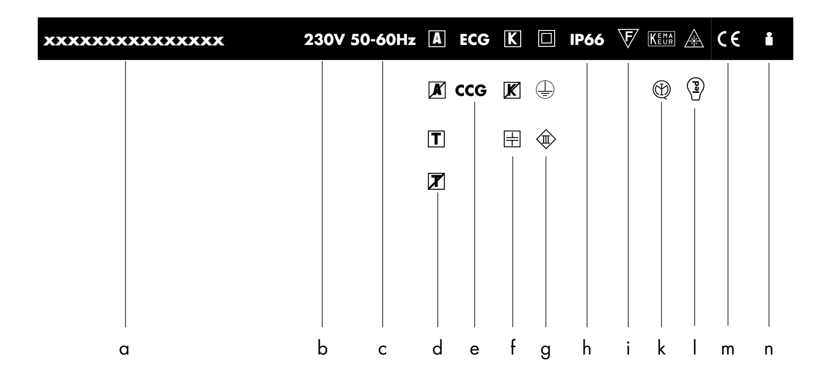
Viabizzuno se rodea de experiencia, conocimientos e investigación para poder dar la mejor expresión posible a su modo de hacer luz. este instrumento es un manual técnico: la recopilación, el relato, la explicación de las dos líneas de producto que nacen del pensamiento proyectual de Viabizzuno que se identifica en una página blanca, siempre lista para aceptar y resolver nuevos desafíos. dos líneas complementarias ocupan ese espacio explorándolo, dilatándolo: se cruzan, seguras de su propia identidad, dos almas representadas por las colecciones For m y Alvaline. dos instrumentos que, unidos, nos permiten proyectar la luz a 360°. el manual For m y Alvaline forma así un único libro, pero con dos recorridos: en uno es la forma la que emociona e ilumina, en otro es el diseño el que genera la luz; en un recorrido tenemos la lámpara irreverente, el objeto que vive tanto en la luz artificial como en la natural; en el otro, el cuerpo iluminante, técnico, que desaparece para dejar espacio únicamente a la luz. dos tipos de producto distintos, pero complementarios. es el instrumento para conocer nuestra luz: la histórica, pero también la especial, desarrollada y creada a medida, que narra lo importante que es que el proyecto sea estimulante y que el interlocutor esté preparado para un proyecto complejo, que requerirá tiempo y esfuerzo.

proyectamos la luz a 360°.

Viabizzuno draws on all its experience, knowledge and research to fully express its own personal way of creating light. this tool is a technical manual, a collection, account and explanation of the two product ranges generated by Viabizzuno's design concept, which takes the form of a white page, always ready to accept and solve a new challenge. two complementary ranges occupy this space, exploring and expanding it; they intersect, confident in their own identity, two kindred spirits represented by the For m and Alvaline collections. two tools that together enable us to design lighting in 360°. the For m and Alvaline manual becomes a single book but with two pathways; in one it is the shape that excites and illuminates, in the other it is the design that generates the light, in one is the irreverent lamp, the object that is alive in both artificial and natural light, in the other is the efficient light fitting that disappears to make way for light alone, two different but complementary product types. the manual is a tool to learn about our light, both the historical and the special, developed and made to measure, which explains how important it is for the design to be stimulating and for the customer to be prepared for a complex design process, which requires both time and commitment.

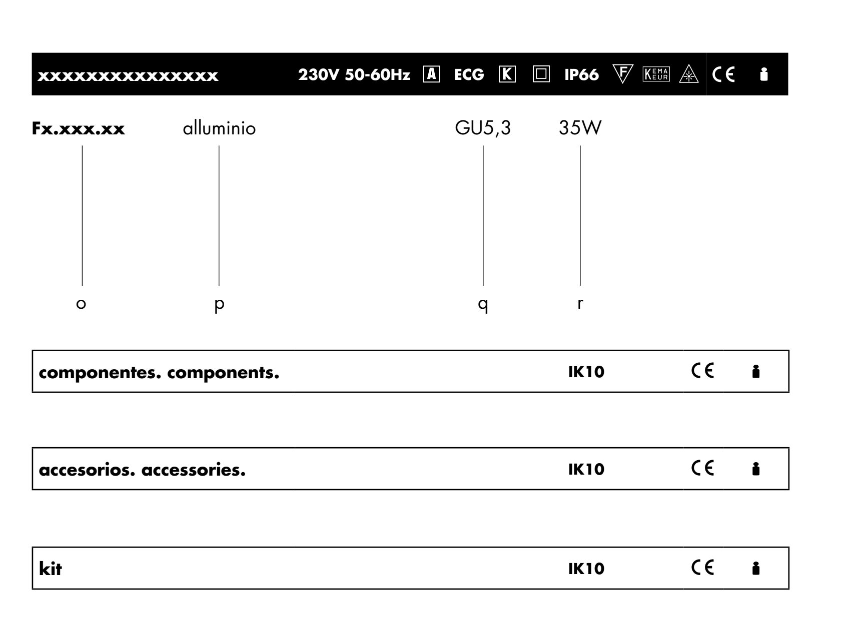
we design lighting at 360°.

vademecum



ejemplo de recuadro técnico. posiciones estándar y símbolos.
example of data plate. standard arrangement of symbols.

a	nombre del aparato de iluminación lighting system name
b	tensión de alimentación. supply rating (Volt).
c	frecuencia de alimentación. supply frequency (Hertz) .
d	alimentador/transformador incluidos o no incluidos power supply unit / transformer included or not
e	tipo de alimentador. type of control gear.
f	kit de cableado incluido o excluido condensador de reajuste de fase incluido sólo si se indica wiring kit included or excluded capacitor for power factor correction only if indicated
g	clase de seguridad. insulation class.
h	grado de la protección. protection rating.
i	montaje directo sobre superficies normalmente inflamables direct mounting on flammable surfaces
k	aparato aprobado, Marca de Calidad certification for safety and quality standards
l	fuente luminosa led. led light source. luminarias donde se pueden instalar lamparas a led a pedir despues de verificar la compatibilidad electrica y mecánica. light fittings that can be install led light sources to be ordered separately after checking their electrical and mechanical compatibility
m	producto conforme con las directivas europeas produced in compliance with EC directives
n	peso neto. net weight. Kg.



o	código. code.
p	color y acabado. colours and finish.
q	conexión de la bombilla. lamp socket.
r	potencia de la bombilla (Watt). lamp wattage (Watt).

componentes - indica todos los elementos indispensables para la instalación y el buen funcionamiento del cuerpo iluminante.
components - includes all items that are essential to the correct operation and installation of the light system

accesorios - se refiere a otras partes que pueden instalarse en el cuerpo
accessories - refers to items that can be added to the fitting

kit - se refiere a los kit de iluminación que pueden instalarse dentro del cuerpo.
kit - refers to the lighting kits available for installation in the body

legenda

clase I, sólo aislamiento fundamental; además, las partes conductoras accesibles están conectados a un conductor de tierra. puesta a tierra indispensable.
class I, only basic insulation, accessible conductors are earthed. earthing compulsory.

clase II, al aislamiento fundamental se añade un segundo aislamiento, o bien los dos aislamientos se reemplazan por un aislamiento reforzado.
class II, basic insulation plus second insulation or both are replaced by reinforced insulation. earthing excluded

clase III, alimentación realizada con voltaje bajísimo de seguridad
class III, very low safety supply tension; not to be used over 50V-50Hz. earthing excluded.

aparatos adecuados para el montaje directo sobre superficies normalmente inflamables. luminaires suitable for direct mounting on flammable surfaces.

cristal opalino. opal glass.

cristal arenado. frosted glass.

cristal transparente. transparent glass.

policarbonado opalino. opal polycarbonate diffuser.

extrusion de policarbonado. polycarbonate coextruded.

apto para tránsito de vehículos. drive over.

bombilla incluida. todos nuestros cuerpos iluminantes cableados led llevan la fuente luminosa incluida.
lamp included. all our lighting system led are with lamp included.

alimentador incluido. control gear included.

alimentador excluido. control gear not included.

condensador de compensación incluido. capacitor for power factor correction included.

Trafo nicht mitgeliefert. transformer not included.

Trafo nicht mitgeliefert. transformer not included.

transformador excluido. wiring kit.

kit de cablaje excluido. wiring kit not included.

CE producto conforme con las directivas europeas. produced in compliance with EC directives.

KEMA KEUR aprobado KEMA. KEMA approved.

ECG alimentador electrónico halogenuros. electronic gears.

CCG alimentador electromecánico halogenuros. electromechanic gear.

Nettogewicht Kg. net weight.

.SA kit flúo + emergencia siempre encendidos. **Nota: no se puede instalar en las arquetas de ladrillo**
fluorescent kit with permanently lit emergency lamp **NB: cannot be installed in brickwork housing**

.SE sólo emergencia siempre encendida **Nota: no se puede instalar en las arquetas de ladrillo**
permanently lit emergency lamp only **NB: cannot be installed in brickwork housing**

.D1 reóstato 1-10V. 1-10V dimmer.

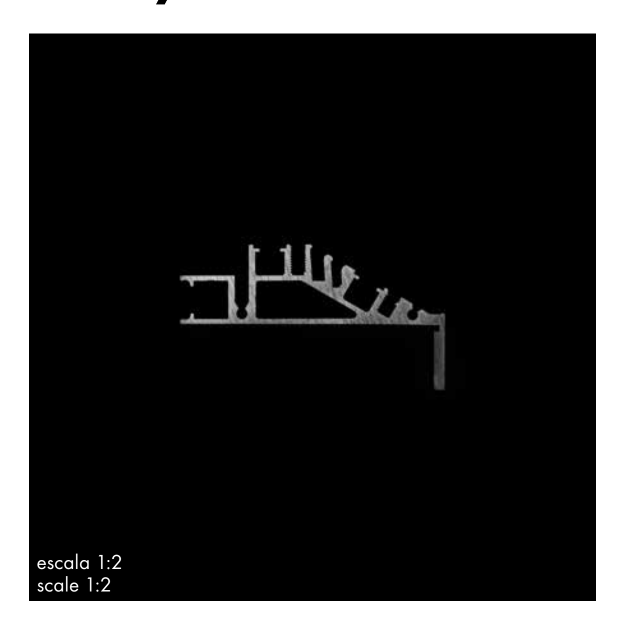
.D2 reóstato dali. dimmer dali.

.T faro 12V con transformador instalado. Trafo 12V spotlight with integral transformer.

ATENCIÓN: no mirar directamente a la fuente luminosa
ATTENTION: never look straight at the light source without eye protection

luminarias donde se pueden instalar lamparas a led a pedir despues de verificar la compatibilidad electrica y mecánica.
light fittings that can be install led light sources to be ordered separately after checking their electrical and mechanical compatibility

070 system aereo mario nanni 2012



escala 1:2
scale 1:2

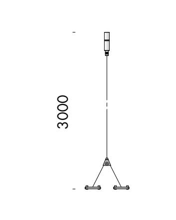
070 system aereo es un sistema en suspensión formado por un perfil de aluminio extruido negro, un kit de suspensión, una pantalla para filtrar la vista directa del cuerpo iluminante y una caja para el alimentador/transformador con el mismo acabado del perfil. puede cablearse con kit de faro dicro/led GU5,3, kit faro halógeno/led G53, kit faro de descarga G12, GX8,5, GX10, PGJ5, kit faro led.

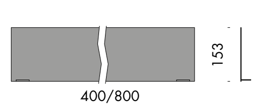
070 system aereo is a suspension system made of an aluminium extrusion in anodised black finish, a suspension kit, a screen to filter the direct visibility of the light fitting and a box to house the power supply/transformer in the same finishes as the profile. it can be wired with the GU5,3 dichroic/led spotlight kit, G53 halogen/led spotlight kit, G12, GX8,5, GX10, PGJ5 discharge spotlight kit or led spotlight kit.

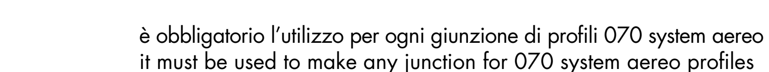


070 system				CE
F6.070.02.N	perfil aluminio negro black aluminium profile	2 uds 2 pcs	500mm	1,3
F6.070.04.N	perfil aluminio negro black aluminium profile	2 uds 2 pcs	1000mm	2,5
F6.070.06.N	perfil aluminio negro black aluminium profile	2 uds 2 pcs	2000mm	5,0
F6.070.08.N	perfil aluminio negro black aluminium profile juntas de unión suministradas complete with connection joints	2 uds 2 pcs	3000mm	7,6
F6.070.27.N	unión angular interna aluminio negro black aluminium internal elbow fitting			0,1
F6.070.28.N	unión angular externa aluminio negro black aluminium external elbow fitting juntas de unión suministradas complete with connection joints			0,1

componentes. components.			CE
F9.070.50	juego para suspensión con cable kit for hanging with cable	3000mm	
F9.070.40	blindaje de los cableados negro black shielded wiring kit	400mm	
F9.070.41	blindaje de los cableados negro black shielded wiring kit	800mm	
F9.070.29	kit juntas de unión straight joints kit		0,1

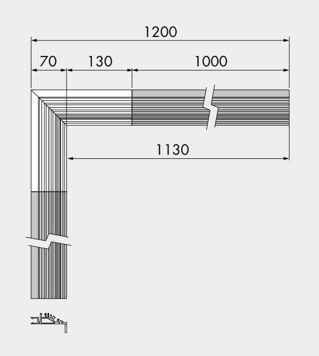




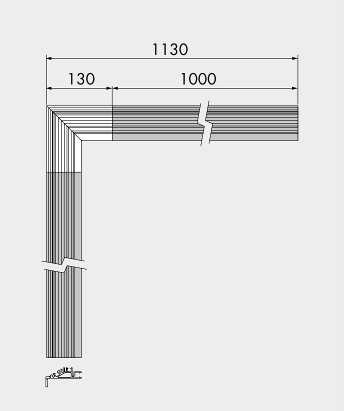

è obbligatorio l'utilizzo per ogni giunzione di profili 070 system aereo
it must be used to make any junction for 070 system aereo profiles

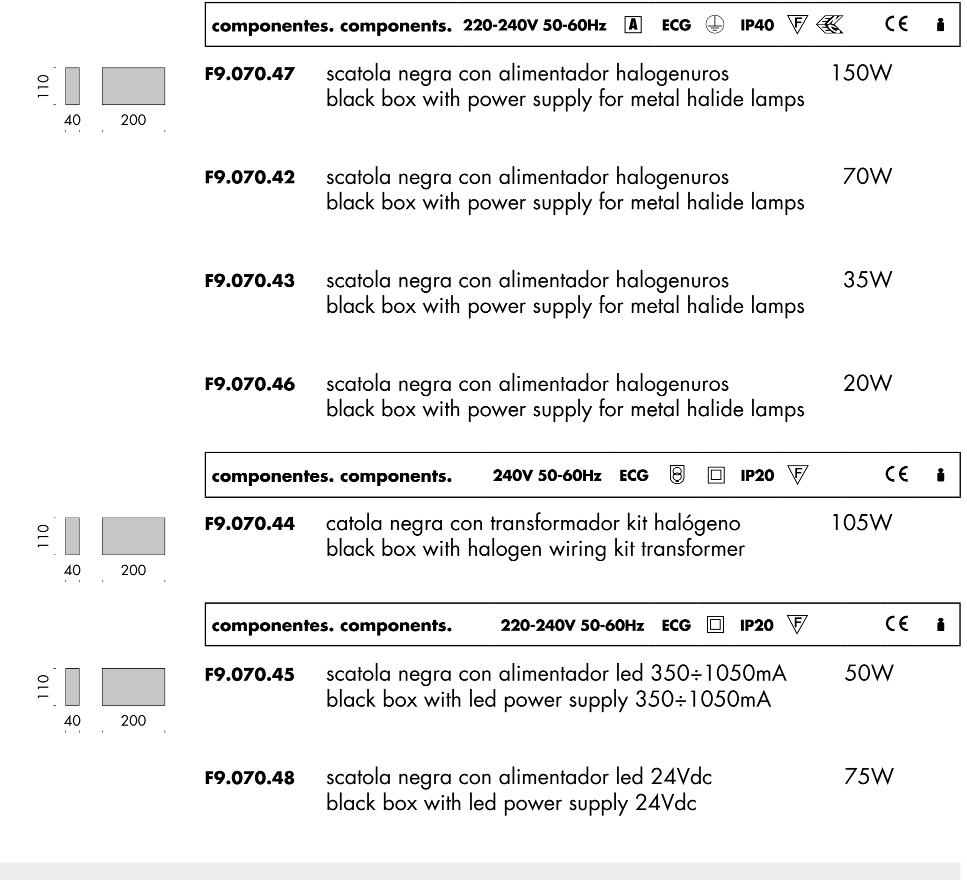
ejemplo de uso de uniones angulares
example of elbow fitting use

¡atención!: si se utilizan las uniones angulares externas F6.070.28.N considerar 130mm más con respecto al perfil lineal utilizado
important: if you use the external angular connectors F6.070.28.N please consider 130mm more than the linear profile you're using



esto no ocurre con las uniones angulares internas F6.070.27.N
this is not necessary with internal angular connectors F6.070.27.N

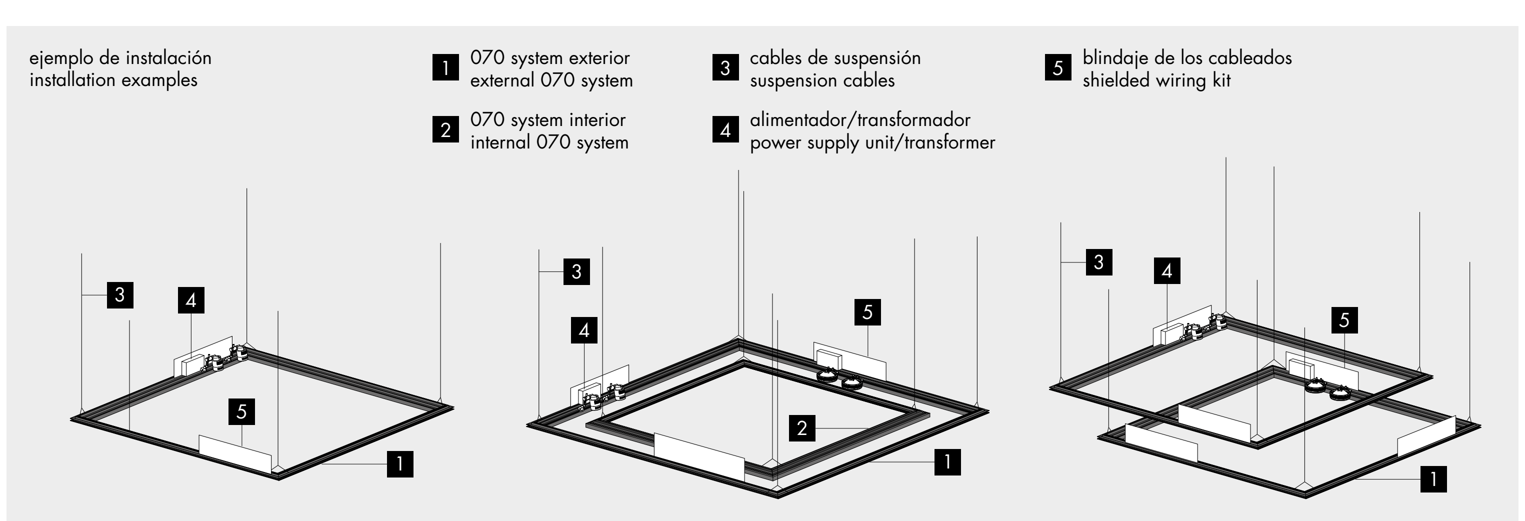


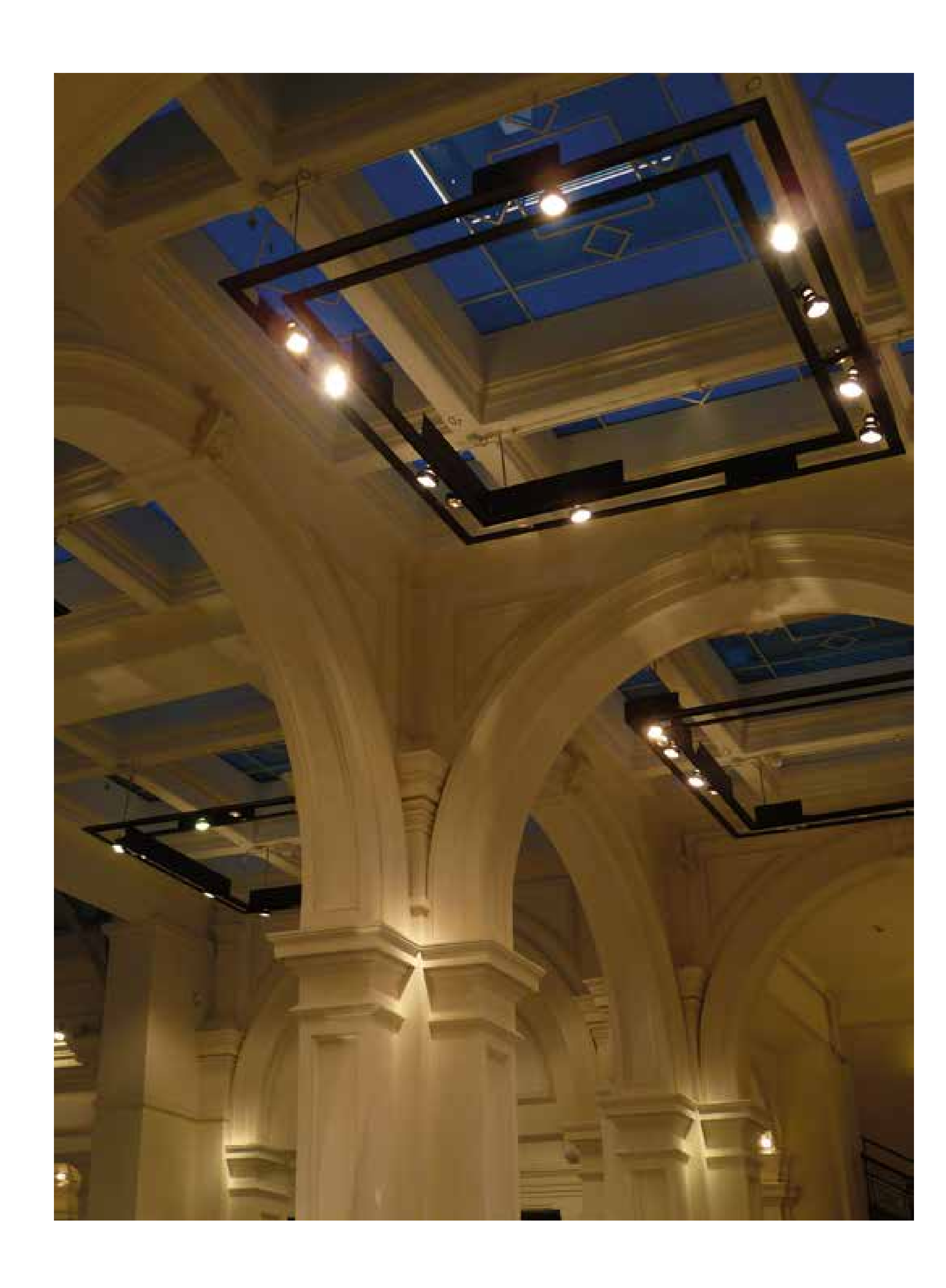


componentes. components.	220-240V 50-60Hz A ECG IP40	
F9.070.47	scatola negra con alimentador halogenuros black box with power supply for metal halide lamps	150W
F9.070.42	scatola negra con alimentador halogenuros black box with power supply for metal halide lamps	70W
F9.070.43	scatola negra con alimentador halogenuros black box with power supply for metal halide lamps	35W
F9.070.46	scatola negra con alimentador halogenuros black box with power supply for metal halide lamps	20W

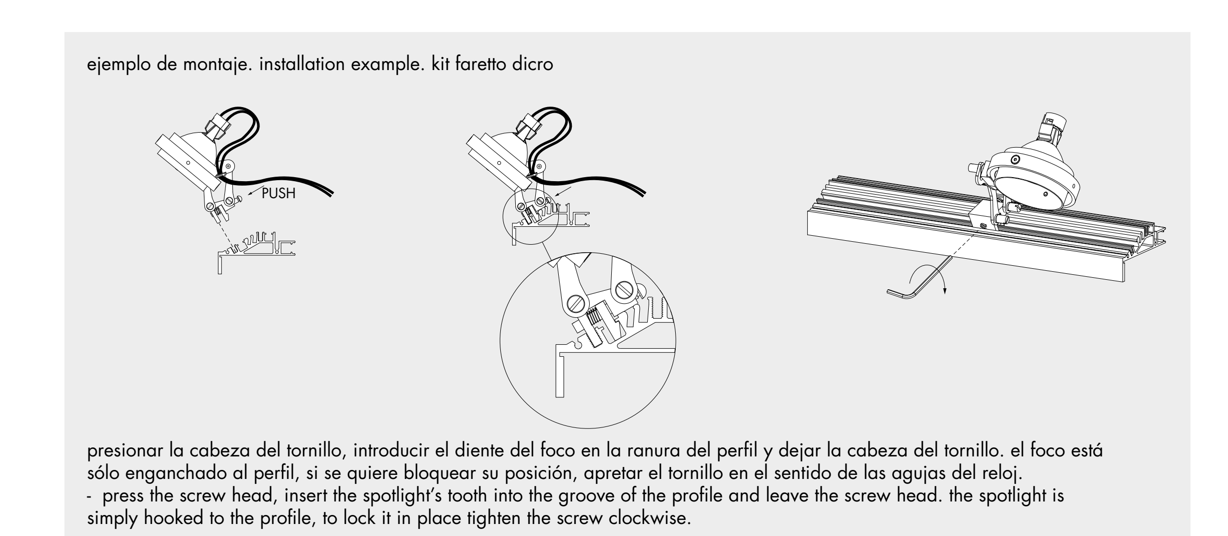
componentes. components.	240V 50-60Hz ECG IP20	
F9.070.44	catola negra con transformador kit halógeno black box with halogen wiring kit transformer	105W

componentes. components.	220-240V 50-60Hz ECG IP20	
F9.070.45	scatola negra con alimentador led 350÷1050mA black box with led power supply 350÷1050mA	50W
F9.070.48	scatola negra con alimentador led 24Vdc black box with led power supply 24Vdc	75W





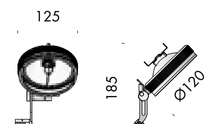
kit faretto dicro		12V	IP20	
F6.095.07	negro black	GU5,3	50W	0,2
F6.095.08	blanco/plata opaco white/silver matt	GU5,3	50W	0,2
F6.095.17	negro black	GU5,3	2x50W	0,2
F6.095.18	blanco/plata opaco white/silver matt	GU5,3	2x50W	0,2



ejemplo de montaje. installation example. kit faretto dicro

presionar la cabeza del tornillo, introducir el diente del foco en la ranura del perfil y dejar la cabeza del tornillo. el foco está sólo enganchado al perfil, si se quiere bloquear su posición, apretar el tornillo en el sentido de las agujas del reloj.

- press the screw head, insert the spotlight's tooth into the groove of the profile and leave the screw head. the spotlight is simply hooked to the profile, to lock it in place tighten the screw clockwise.



kit faretto halo		12V		IP20	CE	
F6.095.01	halo negro halo black		G53	75W		0,4
F6.095.02	halo blanco halo white		G53	75W		0,4
F6.095.03	halo pardo halo brown		G53	75W		0,4

75W 8°

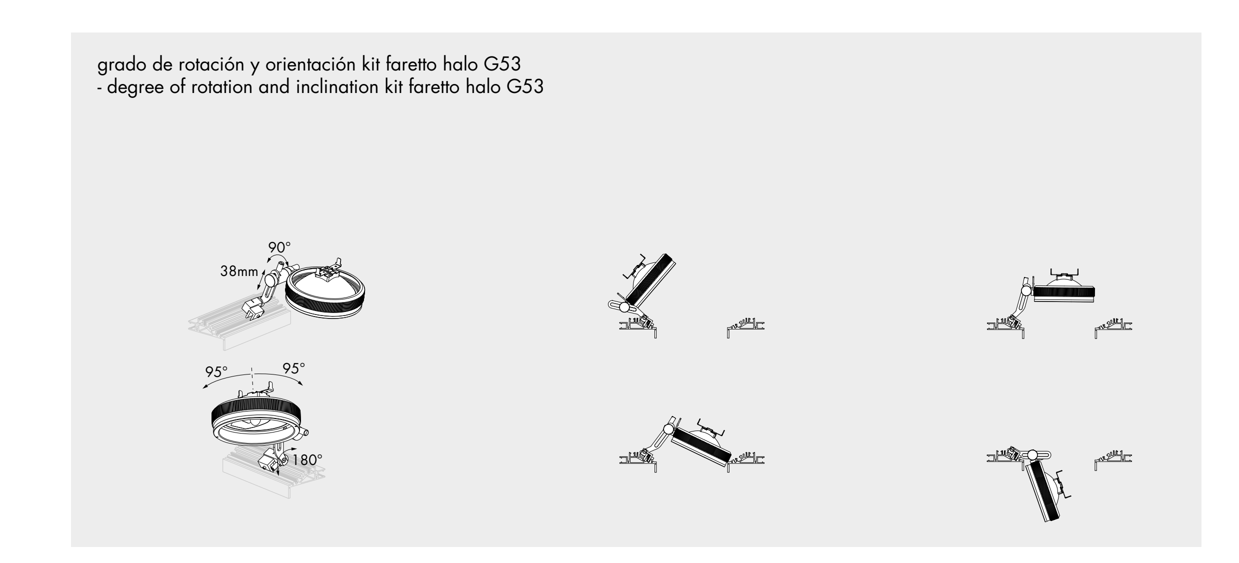
h	d1	d2	Em	Emax
1m	0,1	0,1	21648	30147
2m	0,2	0,2	5412	7537
3m	0,4	0,4	2405	3350
4m	0,5	0,5	1353	1884

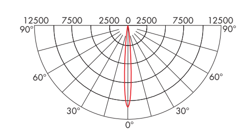
75W 24°

h	d1	d2	Em	Emax
1m	0,4	0,4	3959	5300
2m	0,8	0,8	990	1325
3m	1,2	1,2	440	589
4m	1,6	1,6	247	331

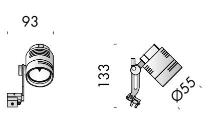
accesorios. accessories.		CE	
T9.003	clavija hembra 12V female plug 12V		0,1

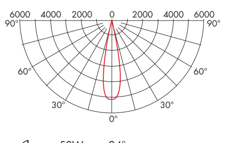
grado de rotación y orientación kit faretto halo G53
- degree of rotation and inclination kit faretto halo G53





	50W	10°		
h	d1	d2	Em	Emax
1m	0,2	0,2	9901	14001
2m	0,4	0,4	2477	3500
3m	0,5	0,5	1101	1556
4m	0,8	0,8	619	875





	50W	24°		
h	d1	d2	Em	Emax
1m	0,4	0,4	2975	4400
2m	0,6	0,6	744	1100
3m	1	1	331	489
4m	1,2	1,2	186	275

105
172
250
Ø60

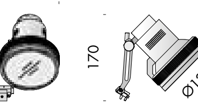
kit faretto halo		**12V**	**IP20**	CE
F6.095.04	halo negro halo black	GU5,3	50W	0,4
F6.095.05	halo blanco halo white	GU5,3	50W	0,4
F6.095.06	halo pardo halo brown	GU5,3	50W	0,4
F6.095.80	halo negro foco de recorte halo black profile spot	GU5,3	71W	0,7

cableados con enchufe macho
wired with male plug

accesorios. accessories.		CE
T9.003	clavija hembra 12V female plug 12V	0,1

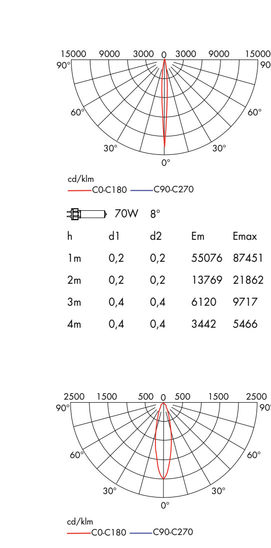
grado de rotación y orientación kit faretto halo GU5,3
- degree of rotation and inclination kit faretto halo GU5,3

90°
38mm
95°
95°
180°



kit faretto scarica				IP20	CE
F6.095.09	halogenuros blanco metal halide white	G12	35/70/150W 8°	0,79	
F6.095.10	halogenuros negro metal halide black	G12	35/70/150W 8°	0,79	
F6.095.11	halogenuros pardo metal halide brown	G12	35/70/150W 8°	0,79	
F6.095.12	halogenuros blanco metal halide white	G12	35/70/150W 40°	0,79	
F6.095.13	halogenuros negro metal halide black	G12	35/70/150W 40°	0,79	
F6.095.14	halogenuros pardo metal halide brown	G12	35/70/150W 40°	0,79	

solo para cortes 140mm
only for 140mm slot



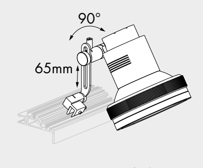
70W 8°

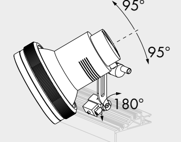
h	d1	d2	Em	Emax
1m	0,2	0,2	55076	87451
2m	0,2	0,2	13769	21862
3m	0,4	0,4	6120	9717
4m	0,4	0,4	3442	5466

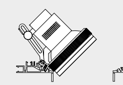
70W 40°

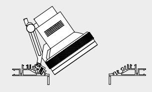
h	d1	d2	Em	Emax
1m	0,4	0,4	8836	13389
2m	0,8	0,8	2209	3347
3m	1,4	1,4	982	1488
4m	1,8	1,8	552	837

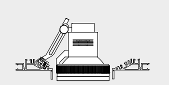
grado de rotación y orientación kit faretto scarica G12
- degree of rotation and inclination kit faretto scarica G12

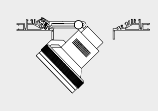


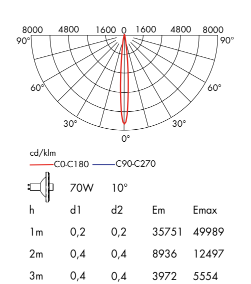






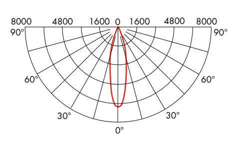






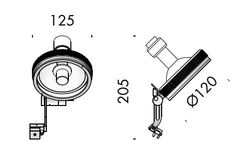
70W 10°

h	d1	d2	Em	Emax
1m	0,2	0,2	35751	49989
2m	0,4	0,4	8936	12497
3m	0,4	0,4	3972	5554
4m	0,6	0,6	2235	3124



70W 24°

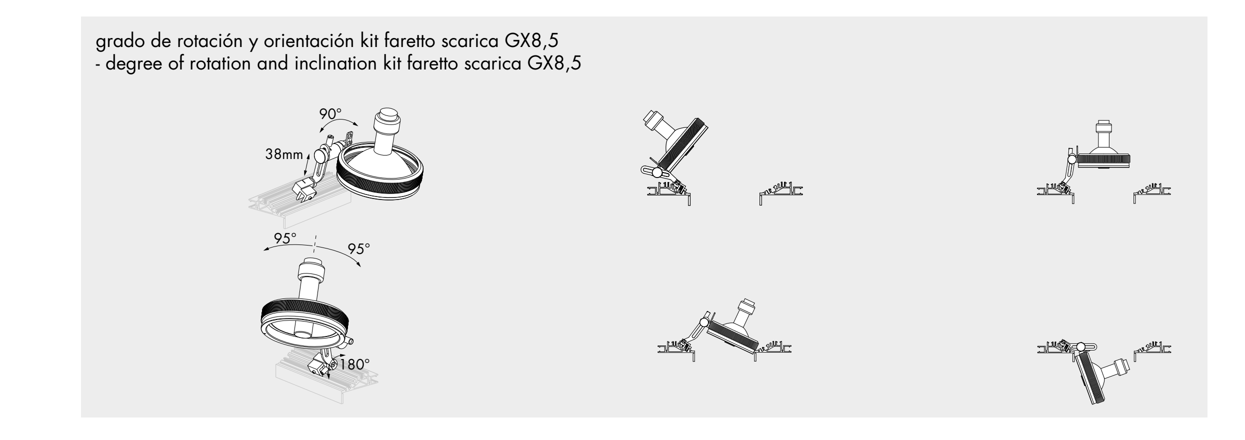
h	d1	d2	Em	Emax
1m	0,4	0,4	10088	14998
2m	0,8	0,8	2522	3750
3m	1,2	1,2	1121	1667
4m	1,6	1,6	631	937

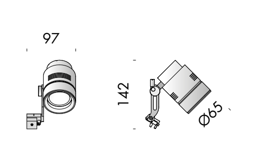


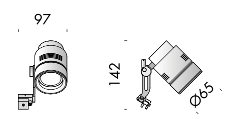
kit faretto scarica			IP20	CE
F6.095.15	halogenuros blanco metal halide white	GX8,5	20/35/70W	0,47
F6.095.16	halogenuros negro metal halide black	GX8,5	20/35/70W	0,47
F6.095.19	halogenuros pardo metal halide brown	GX8,5	20/35/70W	0,47

solo para cortes 140mm
only for 140mm slot

grado de rotación y orientación kit faretto scarica GX8,5
- degree of rotation and inclination kit faretto scarica GX8,5







kit faretto scarica			IP20	CE
F6.095.26	obiettivo halogenuros blanco white obiettivo metal halide	GX10	20/35W	0,39
F6.095.27	obiettivo halogenuros negro black obiettivo metal halide	GX10	20/35W	0,39
F6.095.28	obiettivo halogenuros pardo brown obiettivo metal halide	GX10	20/35W	0,39
F6.095.20	halogenuros blanco metal halide white	PGJ5	20/35W 10°	0,45
F6.095.21	halogenuros negro metal halide black	PGJ5	20/35W 10°	0,45
F6.095.22	halogenuros pardo metal halide brown	PGJ5	20/35W 10°	0,45
F6.095.23	halogenuros blanco metal halide white	PGJ5	20/35W 30°	0,45
F6.095.24	halogenuros negro metal halide black	PGJ5	20/35W 30°	0,45
F6.095.25	halogenuros pardo metal halide brown	PGJ5	20/35W 30°	0,45

15000 9000 3000 0 3000 9000 15000
90° 60° 30° 0° 30° 60° 90°
cd/klm
C0-C180 C90-C270

35W 8°

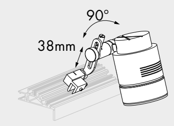
h	d1	d2	Em	Emax
1m	0,2	0,2	34853	48649
2m	0,2	0,2	8713	12162
3m	0,4	0,4	3873	5406
4m	0,6	0,6	2178	3041

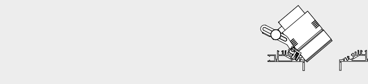
7000 4200 1400 0 1400 4200 7000
90° 60° 30° 0° 30° 60° 90°
cd/klm
C0-C180 C90-C270

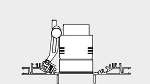
20W 10°

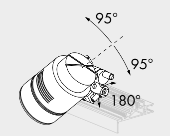
h	d1	d2	Em	Emax
1m	0,2	0,2	6993	10022
2m	0,4	0,4	1748	2506
3m	0,6	0,6	777	1114
4m	0,8	0,8	437	626

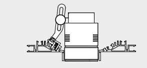
grado de rotación y orientación kit faretto scarica GX10-PGJ5
- degree of rotation and inclination kit 094 scarica GX10-PGJ5

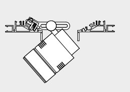


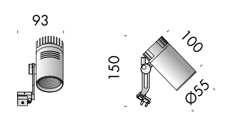








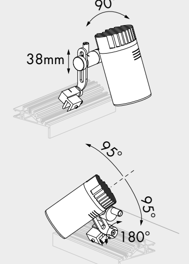


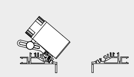


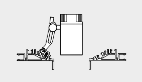
kit faretto led			
F6.095.35	negro led 2700K black led 2700K	34°	12W 350mA/17W 500mA
F6.095.35.W	negro led 3000K black led 3000K	34°	12W 350mA/17W 500mA
F6.095.35.NW	negro led 4000K black led 4000K	34°	12W 350mA/17W 500mA
F6.095.36	blanco led 2700K white led 2700K	34°	12W 350mA/17W 500mA
F6.095.36.W	blanco led 3000K white led 3000K	34°	12W 350mA/17W 500mA
F6.095.36.NW	blanco led 4000K white led 4000K	34°	12W 350mA/17W 500mA
	eficiencia luminosa		350mA 47lm/W 500mA 43lm/W
	luminous efficacy		350mA 47lm/W 500mA 43lm/W

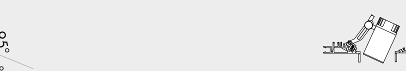
IP20

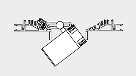
grado de rotación y orientación kit faretto led
- degree of rotation and inclination kit faretto led











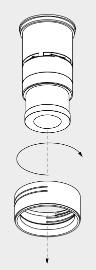
accesorios para / accessories for: kit G53/G12/GX 8,5			CE	
Ø116 7	**F9.001.11**	porta accesorios negro accessory carrier black		0,01
	F9.001.12	porta accesorios plata accessory carrier silver		0,01
Ø106 3	**F9.001.21**	filtro uv transparente trasparent uv filter		0,08
	F9.001.22	filtro uv arenado frosted uv filter		0,08
	F9.001.23	filtro ir ir filter		0,08
Ø106 25	**F9.001.25**	lente elìptica elliptical lens		0,1
Ø106 25	**F9.001.27**	lente el difundir diffusing lens		0,1
Ø106 3	**F9.001.31**	rejilla de panal honeycomb louvre		0,007

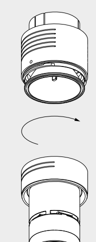
accesorios para / accessories for: kit GU5,3			CE	
Ø47,8 4	**F9.001.33**	rejilla de panal honeycomb louvre		0,004
Ø47,8 3,3	**F9.001.57**	filtro ir trasparente trasparent ir filter		0,004
Ø47,8 5	**F9.001.58**	lente elìptica elliptical lens		0,004
Ø47,8 3,3	**F9.001.59**	cristal arenado frosted glass		0,004
47 108 24 38	**F9.001.34**	recortador framing projector		0,1

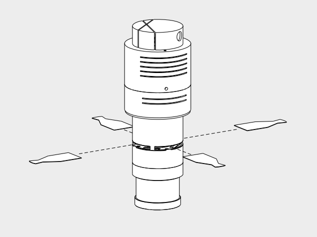
accesorios para / accessories for: kit GX10/PGJ5			CE	
Ø57,5 4	**F9.001.40**	rejilla de panal honeycomb louvre		0,004

ejemplo de montaje recortador
installation example framing projector

cod F6.095.04 + F9.001.34







kit faretto halo G53

F6.095.01
F6.095.02
F6.095.03

ejemplo de montaje con filtro
assembly example with filter

F9.001.21/22/23

ejemplo de montaje con lente elìptica / lente el difundir
assembly example with elliptical lens/ diffusing lens

F9.001.25/27

ejemplo de montaje con 2 accesorios
assembly example with 2 accessories

F9.001.21/22/23
F9.001.31
F9.001.11/12

kit faretto scarica G12

F6.095.09 F6.095.12 F6.095.29
F6.095.10 F6.095.13 F6.095.30
F6.095.11 F6.095.14

ejemplo de montaje con filtro
assembly example with filter

cristal incluido
glass included

F9.001.21/22/23

ejemplo de montaje con lente elìptica / lente el difundir
assembly example with elliptical lens/ diffusing lens

F9.001.25/27

ejemplo de montaje con 2 accesorios
assembly example with 2 accessories

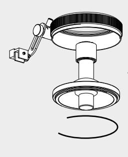
cristal incluido
glass included

F9.001.21/22/23
F9.001.11/12
F9.001.31
F9.001.11/12

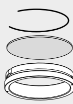
kit faretto scarica GX8,5

F6.095.15
F6.095.16
F6.095.19

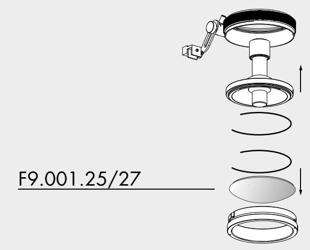
ejemplo de montaje con filtro
assembly example with filter



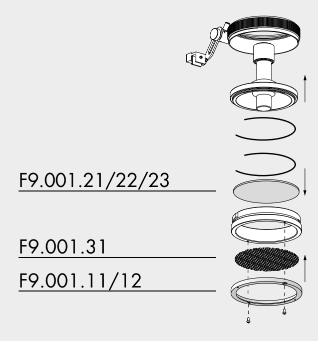
F9.001.21/22/23



ejemplo de montaje con lente elìptica / lente el difundir
assembly example with elliptical lens/ diffusing lens



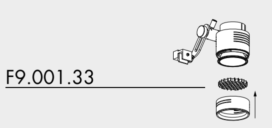
ejemplo de montaje con 2 accesorios
assembly example with 2 accessories

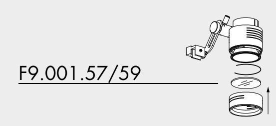


kit faretto halo GU5,3

F6.095.04
F6.095.05
F6.095.06

ejemplo de montaje con rejilla de panal
assembly example with louver honeycomb

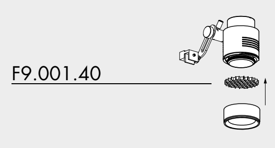




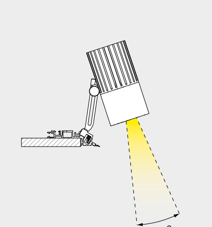
kit faretto halo MR16 GX10

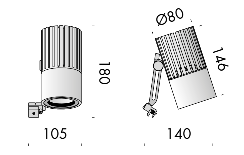
F6.095.26.U
F6.095.27.U
F6.095.28.U

ejemplo de montaje con rejilla de panal
assembly example with louver honeycomb



grados abertura del haz luminoso 10°
degrees of beam's angle 10°





eco system 10° 2700K IP20

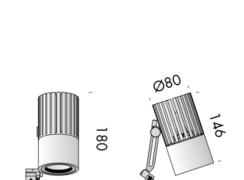
Vb6.030.11.27 my bianco
Vled.x/98, 2700K

Vb6.030.01.27 my nero
Vled.x/98, 2700K

Vled.x/98

Ra	R9	selección macadan macadam selection	mA	lm	W	lm/W	**clase energética energy class**
98	98	step 1	350	1240	10,8	115	**A++**
			500	1580	15,6	101	**A+**
			700	2140	22,3	96	**A+**
			1050	3000	34	88,2	**A+**

tensión mínima a la salida del alimentador/minimum voltage on the secondary 35V
vita media/average life 50000 h Ta 25°C/L80 - B10 - F10



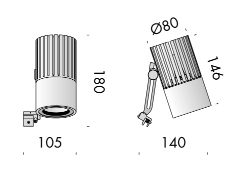
Vb6.030.16.27 my bianco
Vled.x/80, 2700K

Vb6.030.06.27 my nero
Vled.x/80, 2700K

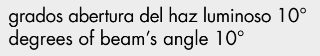
Vled.x/80

Ra	R9	selección macadan macadam selection	mA	lm	W	lm/W	**clase energética energy class**
80	16	step 1	500	2030	15,6	130	**A++**
			700	2700	22,3	121	**A++**
			1050	3850	34,1	113	**A+**
			1400	5000	47	107	**A+**

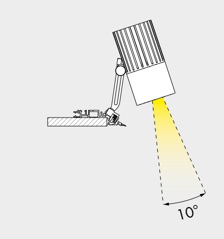
tensión mínima a la salida del alimentador/minimum voltage on the secondary 35V
vita media/average life 50000 h Ta 25°C/L80 - B10 - F10



eco system 10° 3000K IP20



grados abertura del haz luminoso 10°
degrees of beam's angle 10°



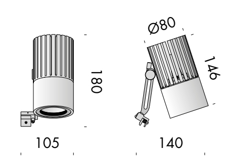
Vb6.030.11.30 my bianco
Vled.x/98, 3000K

Vb6.030.01.30 my nero
Vled.x/98, 3000K

Vled.x/98

Ra	R9	selección macadan macadam selection	mA	lm	W	lm/W	**clase energética energy class**
98	98	step 1	350	1240	10,8	115	**A++**
			500	1580	15,6	101	**A+**
			700	2140	22,3	96	**A+**
			1050	3000	34	88,2	**A+**

tensión mínima a la salida del alimentador/minimum voltage on the secondary 35V
vita media/average life 50000 h Ta 25°C/L80 - B10 - F10



Vb6.030.16.30 my bianco
Vled.x/80, 3000K

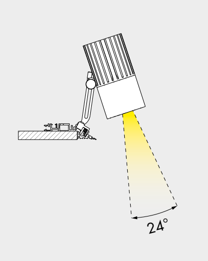
Vb6.030.06.30 my nero
Vled.x/80, 3000K

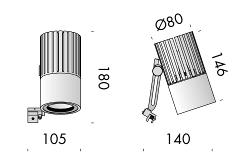
Vled.x/80

Ra	R9	selección macadan macadam selection	mA	lm	W	lm/W	**clase energética energy class**
80	16	step 1	500	2030	15,6	130	**A++**
			700	2700	22,3	121	**A++**
			1050	3850	34,1	113	**A+**
			1400	5000	47	107	**A+**

tensión mínima a la salida del alimentador/minimum voltage on the secondary 35V
vita media/average life 50000 h Ta 25°C/L80 - B10 - F10

grados abertura del haz luminoso 24°
degrees of beam's angle 24°



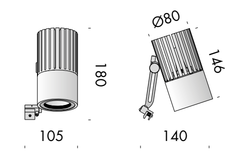


eco system 24° 2700K IP20

Vled.x/98

Ra	R9	selección macadan macadam selection	mA	lm	W	lm/W	**clase energética energy class**
98	98	step 1	350	1240	10,8	115	**A++**
			500	1580	15,6	101	**A+**
			700	2140	22,3	96	**A+**
			1050	3000	34	88,2	**A+**

tensión mínima a la salida del alimentador/minimum voltage on the secondary 35V
vita media/average life 50000 h Ta 25°C/L80 - B10 - F10



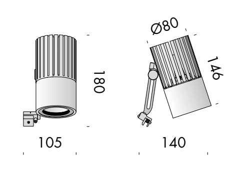
Vb6.030.17.27 my bianco
Vled.x/80, 2700K

Vb6.030.07.27 my nero
Vled.x/80, 2700K

Vled.x/80

Ra	R9	selección macadan macadam selection	mA	lm	W	lm/W	**clase energética energy class**
80	16	step 1	500	2030	15,6	130	**A++**
			700	2700	22,3	121	**A++**
			1050	3850	34,1	113	**A+**
			1400	5000	47	107	**A+**

tensión mínima a la salida del alimentador/minimum voltage on the secondary 35V
vita media/average life 50000 h Ta 25°C/L80 - B10 - F10



eco system 24° 3000K IP20 CE

Vb6.030.12.30 my bianco
Vled.x/98, 3000K

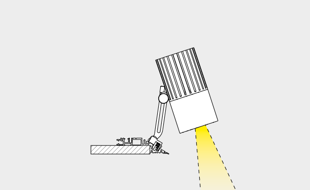
Vb6.030.02.30 my nero
Vled.x/98, 3000K

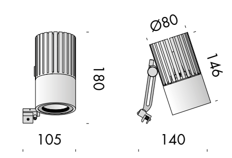
Vled.x/98

Ra	R9	selección macadan macadam selection	mA	lm	W	lm/W	**clase energética energy class**
98	98	step 1	350	1240	10,8	115	**A++**
			500	1580	15,6	101	**A+**
			700	2140	22,3	96	**A+**
			1050	3000	34	88,2	**A+**

tensión mínima a la salida del alimentador/minimum voltage on the secondary 35V
vita media/average life 50000 h Ta 25°C/L80 - B10 - F10

grados abertura del haz luminoso 24°
degrees of beam's angle 24°





Vb6.030.17.30 my bianco
Vled.x/80, 3000K

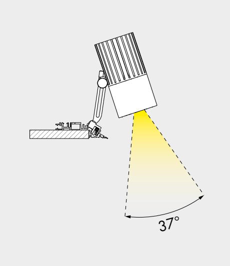
Vb6.030.07.30 my nero
Vled.x/80, 3000K

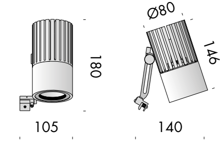
Vled.x/80

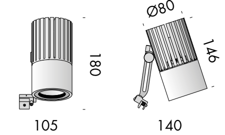
Ra	R9	selección macadan macadam selection	mA	lm	W	lm/W	**clase energética energy class**
80	16	step 1	500	2030	15,6	130	**A++**
			700	2700	22,3	121	**A++**
			1050	3850	34,1	113	**A+**
			1400	5000	47	107	**A+**

tensión mínima a la salida del alimentador/minimum voltage on the secondary 35V
vita media/average life 50000 h Ta 25°C/L80 - B10 - F10

grados abertura del haz luminoso 37°
degrees of beam's angle 37°







eco system 37° 2700K IP20 CE

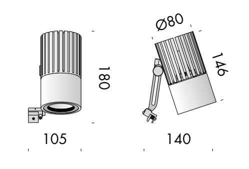
Vb6.030.13.27 my bianco
Vled.x/98, 2700K

Vb6.030.03.27 my nero
Vled.x/98, 2700K

Vled.x/98

Ra	R9	selección macadan macadam selection	mA	lm	W	lm/W	**clase energética energy class**
98	98	step 1	350	1240	10,8	115	**A++**
			500	1580	15,6	101	**A+**
			700	2140	22,3	96	**A+**
			1050	3000	34	88,2	**A+**

tensión mínima a la salida del alimentador/minimum voltage on the secondary 35V
vita media/average life 50000 h Ta 25°C/L80 - B10 - F10



Vb6.030.18.27 my bianco
Vled.x/80, 2700K

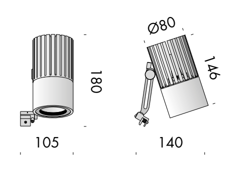
Vb6.030.08.27 my nero
Vled.x/80, 2700K

Vled.x/80

Ra	R9	selección macadan macadam selection	mA	lm	W	lm/W	**clase energética energy class**
80	16	step 1	500	2030	15,6	130	**A++**
			700	2700	22,3	121	**A++**
			1050	3850	34,1	113	**A+**
			1400	5000	47	107	**A+**

tensión mínima a la salida del alimentador/minimum voltage on the secondary 35V
vita media/average life 50000 h Ta 25°C/L80 - B10 - F10

eco system 37° 3000K IP20



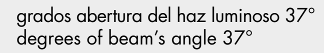
Vb6.030.13.30 my bianco
Vled.x/98, 3000K

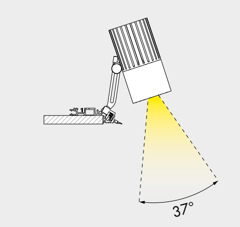
Vb6.030.03.30 my nero
Vled.x/98, 3000K

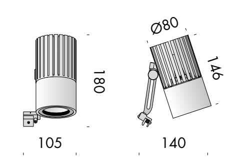
Vled.x/98

Ra	R9	selección macadan macadam selection	mA	lm	W	lm/W	**clase energética energy class**
98	98	step 1	350	1240	10,8	115	**A++**
			500	1580	15,6	101	**A+**
			700	2140	22,3	96	**A+**
			1050	3000	34	88,2	**A+**

tensión mínima a la salida del alimentador/minimum voltage on the secondary 35V
vita media/average life 50000 h Ta 25°C/L80 - B10 - F10


grados abertura del haz luminoso 37°
degrees of beam's angle 37°





Vb6.030.18.30 my bianco
Vled.x/80, 3000K

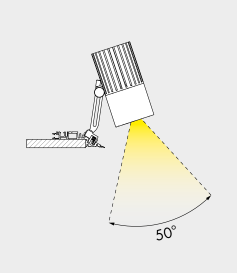
Vb6.030.08.30 my nero
Vled.x/80, 3000K

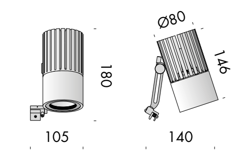
Vled.x/80

Ra	R9	selección macadan macadam selection	mA	lm	W	lm/W	**clase energética energy class**
80	16	step 1	500	2030	15,6	130	**A++**
			700	2700	22,3	121	**A++**
			1050	3850	34,1	113	**A+**
			1400	5000	47	107	**A+**

tensión mínima a la salida del alimentador/minimum voltage on the secondary 35V
vita media/average life 50000 h Ta 25°C/L80 - B10 - F10

grados abertura del haz luminoso 50°
degrees of beam's angle 50°





eco system 50° 2700K	IP20

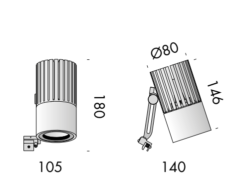
Vb6.030.14.27 my bianco
Vled.x/98, 2700K

Vb6.030.04.27 my nero
Vled.x/98, 2700K

Vled.x/98

Ra	R9	selección macadan macadam selection	mA	lm	W	lm/W	**clase energética energy class**
98	98	step 1	350	1240	10,8	115	**A++**
			500	1580	15,6	101	**A+**
			700	2140	22,3	96	**A+**
			1050	3000	34	88,2	**A+**

tensión mínima a la salida del alimentador/minimum voltage on the secondary 35V
vita media/average life 50000 h Ta 25°C/L80 - B10 - F10



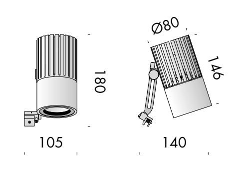
Vb6.030.19.27 my bianco
Vled.x/80, 2700K

Vb6.030.09.27 my nero
Vled.x/80, 2700K

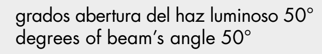
Vled.x/80

Ra	R9	selección macadan macadam selection	mA	lm	W	lm/W	**clase energética energy class**
80	16	step 1	500	2030	15,6	130	**A++**
			700	2700	22,3	121	**A++**
			1050	3850	34,1	113	**A+**
			1400	5000	47	107	**A+**

tensión mínima a la salida del alimentador/minimum voltage on the secondary 35V
vita media/average life 50000 h Ta 25°C/L80 - B10 - F10



eco system 50° 3000K IP20



Vb6.030.14.30 my bianco
Vled.x/98, 3000K

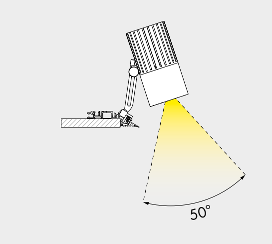
Vb6.030.04.30 my nero
Vled.x/98, 3000K

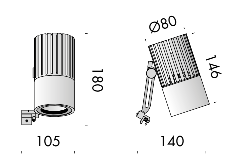
Vled.x/98

Ra	R9	selección macadan macadam selection	mA	lm	W	lm/W	**clase energética energy class**
98	98	step 1	350	1240	10,8	115	**A++**
			500	1580	15,6	101	**A+**
			700	2140	22,3	96	**A+**
			1050	3000	34	88,2	**A+**

tensión mínima a la salida del alimentador/minimum voltage on the secondary 35V
vita media/average life 50000 h Ta 25°C/L80 - B10 - F10

grados abertura del haz luminoso 50°
degrees of beam's angle 50°





Vb6.030.19.30 my bianco
Vled.x/80, 3000K

Vb6.030.09.30 my nero
Vled.x/80, 3000K

Vled.x/80

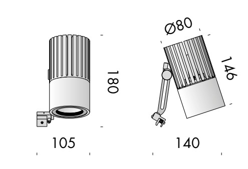
Ra	R9	selección macadan macadam selection	mA	lm	W	lm/W	**clase energética energy class**
80	16	step 1	500	2030	15,6	130	**A++**
			700	2700	22,3	121	**A++**
			1050	3850	34,1	113	**A+**
			1400	5000	47	107	**A+**

tensión mínima a la salida del alimentador/minimum voltage on the secondary 35V
vita media/average life 50000 h Ta 25°C/L80 - B10 - F10

led para alta costura. high fashion led.

grados abertura del haz luminoso 10°
degrees of beam's angle 10°

10°



eco system 10° 3000VbK	IP20

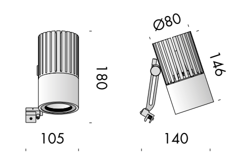
Vb6.030.11.30V my bianco
Vled.x/98, 3000VbK

Vb6.030.01.30V my nero
Vled.x/98, 3000VbK

Vled.x/98

Ra	R9	selección macadan macadam selection	mA	lm	W	lm/W	**clase energética energy class**
98	98	step 1	350	1240	10,8	115	**A++**
			500	1580	15,6	101	**A+**
			700	2140	22,3	96	**A+**
			1050	3000	34	88,2	**A+**

tensión mínima a la salida del alimentador/minimum voltage on the secondary 35V
vita media/average life 50000 h Ta 25°C/L80 - B10 - F10



Vb6.030.16.30V my bianco
Vled.x/80, 3000VbK

Vb6.030.06.30V my nero
Vled.x/80, 3000VbK

Vled.x/80

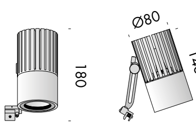
Ra	R9	selección macadan macadam selection	mA	lm	W	lm/W	**clase energética energy class**
80	16	step 1	500	2030	15,6	130	**A++**
			700	2700	22,3	121	**A++**
			1050	3850	34,1	113	**A+**
			1400	5000	47	107	**A+**

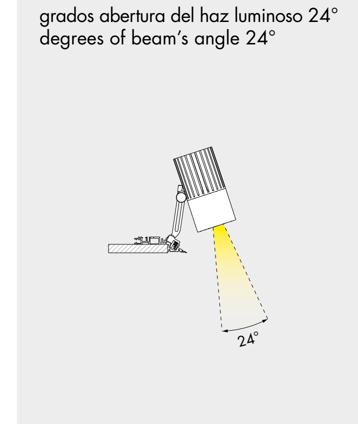
tensión mínima a la salida del alimentador/minimum voltage on the secondary 35V
vita media/average life 50000 h Ta 25°C/L80 - B10 - F10

led para alta costura. high fashion led.



eco system 24° 3000VbK IP20





grados abertura del haz luminoso 24°
degrees of beam's angle 24°

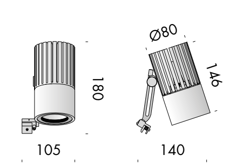
Vb6.030.12.30V my bianco
Vled.x/98, 3000VbK

Vb6.030.02.30V my nero
Vled.x/98, 3000VbK

Vled.x/98

Ra	R9	selección macadan macadam selection	mA	lm	W	lm/W	**clase energética energy class**
98	98	step 1	350	1240	10,8	115	**A++**
			500	1580	15,6	101	**A+**
			700	2140	22,3	96	**A+**
			1050	3000	34	88,2	**A+**

tensión mínima a la salida del alimentador/minimum voltage on the secondary 35V
vita media/average life 50000 h Ta 25°C/L80 - B10 - F10



Vb6.030.17.30V my bianco
Vled.x/80, 3000VbK

Vb6.030.07.30V my nero
Vled.x/80, 3000VbK

Vled.x/80

Ra	R9	selección macadan macadam selection	mA	lm	W	lm/W	**clase energética energy class**
80	16	step 1	500	2030	15,6	130	**A++**
			700	2700	22,3	121	**A++**
			1050	3850	34,1	113	**A+**
			1400	5000	47	107	**A+**

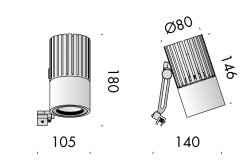
tensión mínima a la salida del alimentador/minimum voltage on the secondary 35V
vita media/average life 50000 h Ta 25°C/L80 - B10 - F10

led para alta costura. high fashion led.

grados abertura del haz luminoso 37°
degrees of beam's angle 37°

37°

eco system 37° 3000VbK IP20



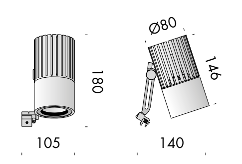
Vb6.030.13.30V my bianco
Vled.x/98, 3000VbK

Vb6.030.03.30V my nero
Vled.x/98, 3000VbK

Vled.x/98

Ra	R9	selección macadan macadam selection	mA	lm	W	lm/W	**clase energética energy class**
98	98	step 1	350	1240	10,8	115	**A++**
			500	1580	15,6	101	**A+**
			700	2140	22,3	96	**A+**
			1050	3000	34	88,2	**A+**

tensión mínima a la salida del alimentador/minimum voltage on the secondary 35V
vita media/average life 50000 h Ta 25°C/L80 - B10 - F10



Vb6.030.18.30V my bianco
Vled.x/80, 3000VbK

Vb6.030.08.30V my nero
Vled.x/80, 3000VbK

Vled.x/80

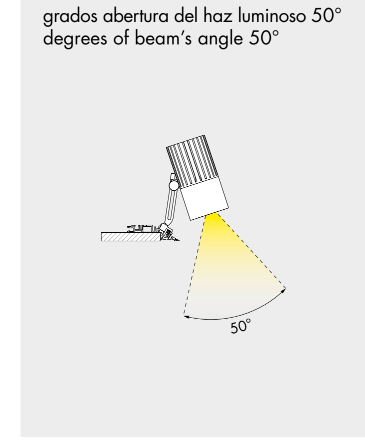
Ra	R9	selección macadan macadam selection	mA	lm	W	lm/W	**clase energética energy class**
80	16	step 1	500	2030	15,6	130	**A++**
			700	2700	22,3	121	**A++**
			1050	3850	34,1	113	**A+**
			1400	5000	47	107	**A+**

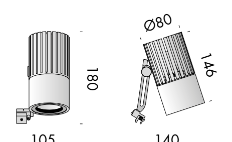
tensión mínima a la salida del alimentador/minimum voltage on the secondary 35V
vita media/average life 50000 h Ta 25°C/L80 - B10 - F10

led para alta costura. high fashion led.

eco system 50° 3000VbK IP20

grados abertura del haz luminoso 50°
degrees of beam's angle 50°





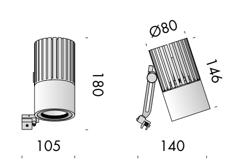
Vb6.030.14.30V my bianco
Vled.x/98, 3000VbK

Vb6.030.04.30V my nero
Vled.x/98, 3000VbK

Vled.x/98

Ra	R9	selección macadan macadam selection	mA	lm	W	lm/W	**clase energética energy class**
98	98	step 1	350	1240	10,8	115	**A++**
			500	1580	15,6	101	**A+**
			700	2140	22,3	96	**A+**
			1050	3000	34	88,2	**A+**

tensión mínima a la salida del alimentador/minimum voltage on the secondary 35V
vita media/average life 50000 h Ta 25°C/L80 - B10 - F10



Vb6.030.19.30V my bianco
Vled.x/80, 3000VbK

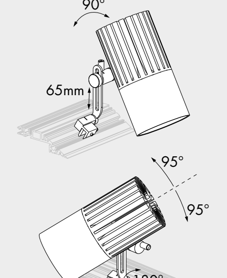
Vb6.030.09.30V my nero
Vled.x/80, 3000VbK

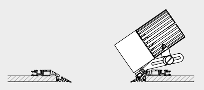
Vled.x/80

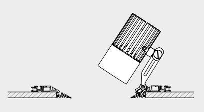
Ra	R9	selección macadan macadam selection	mA	lm	W	lm/W	**clase energética energy class**
80	16	step 1	500	2030	15,6	130	**A++**
			700	2700	22,3	121	**A++**
			1050	3850	34,1	113	**A+**
			1400	5000	47	107	**A+**

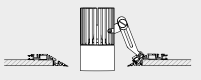
tensión mínima a la salida del alimentador/minimum voltage on the secondary 35V
vita media/average life 50000 h Ta 25°C/L80 - B10 - F10

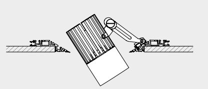
grado de rotación y orientación
degree of rotation and inclination

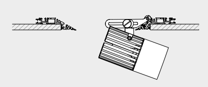




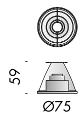




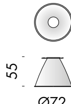


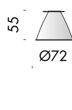


accesorios. accessories. CE

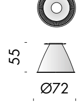


Vb9.030.91 óptica 10°
optics 10°

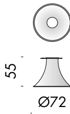




Vb9.030.92 óptica 24°
optics 24°



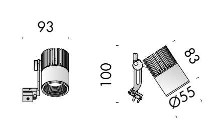
Vb9.030.93 óptica 37°
optics 37°



Vb9.030.94 óptica 50°
optics 50°

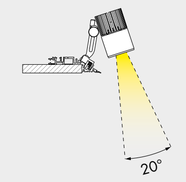
accesorios Vled.x. Vled.x accessories. CE

T9.003	clavija hembra 12V female plug 12V	0,1



eco mini system 20° 2700K IP20

grados abertura del haz luminoso 20°
degrees of beam's angle 20°



Vb6.579.36.27 my bianco
Vled.c/95, 2700K

Vb6.579.31.27 negro
Vled.c/95, 2700K

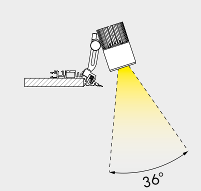
Vled.c/95

Ra	R9	selección macadan macadam selection	mA	lm	W	lm/W	**clase energética energy class**
95	93	step 2	350	1200	12	101	**A+**
			500	1700	17	95	**A+**

tensión mínima a la salida del alimentador/minimum voltage on the secondary 34,8V
vita media/average life 50000 h Ta 25°C/L70

eco mini system 36° 2700K IP20

grados abertura del haz luminoso 36°
degrees of beam's angle 36°



Vb6.579.37.27 my bianco
Vled.c/95, 2700K

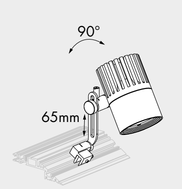
Vb6.579.32.27 negro
Vled.c/95, 2700K

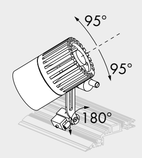
Vled.c/95

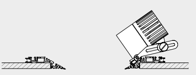
Ra	R9	selección macadan macadam selection	mA	lm	W	lm/W	**clase energética energy class**
95	93	step 2	350	1200	12	101	**A+**
			500	1700	17	95	**A+**

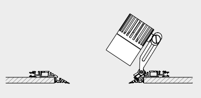
tensión mínima a la salida del alimentador/minimum voltage on the secondary 34,8V
vita media/average life 50000 h Ta 25°C/L70

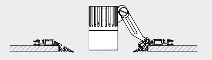
grado de rotación y orientación
degree of rotation and inclination

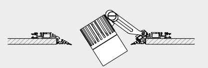




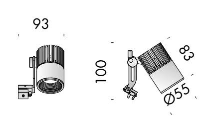












eco mini system 20° 3000K IP20

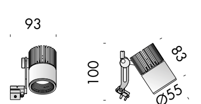
Vb6.579.36.30 my bianco
Vled.c/95, 3000K

Vb6.579.31.30 negro
Vled.c/95, 3000K

Vled.c/95

Ra	R9	selección macadan macadam selection	mA	lm	W	lm/W	**clase energética energy class**
95	93	step 2	350	1200	12	101	**A+**
			500	1700	17	95	**A+**

tensión mínima a la salida del alimentador/minimum voltage on the secondary 34,8V
vita media/average life 50000 h Ta 25°C/L70



eco mini system 36° 3000K IP20

Vb6.579.37.30 my bianco
Vled.c/95, 3000K

Vb6.579.32.30 negro
Vled.c/95, 3000K

Vled.c/95

Ra	R9	selección macadan macadam selection	mA	lm	W	lm/W	**clase energética energy class**
95	93	step 2	350	1200	12	101	**A+**
			500	1700	17	95	**A+**

tensión mínima a la salida del alimentador/minimum voltage on the secondary 34,8V
vita media/average life 50000 h Ta 25°C/L70

